

What is claimed is:

1. A digital camera comprising:  
an optical system,  
5 an optoelectric converter,  
a recording medium,  
a display, and  
a digital signal processor including the capability of displaying a transceiving  
state of data files being transmitted to an external device or being received from an  
10 external device.

2. The digital camera of claim 1, wherein the digital camera further  
comprises:  
a communication interface capable of transmitting data files to an external  
15 device and receiving data files from an external device.

3. The digital camera of claim 2, wherein the digital signal processor  
includes the capability of displaying an initialization state of the communication  
interface.

4. The digital camera of claim 1, wherein the digital signal processor  
includes the capability of displaying an electrical connection state between the  
digital camera and an external device.

5. The digital camera of claim 1, wherein the digital signal processor  
further includes the capability of monitoring the transceiving state of data files being  
transmitted to an external device or being received from an external device.

6. The digital camera of claim 1, wherein the external device is a  
30 computer.

7. The digital camera of claim 1, wherein the display is an LCD panel.

8. The digital camera of claim 1, wherein the recording medium is  
35 removable from the camera.

9. The digital camera of claim 1, wherein the recording medium  
comprises solid state memory.

10. A digital camera comprising:  
an optical system,  
an optoelectric converter,  
5 a recording medium,  
a display,  
a communication interface capable of transmitting data files to an external  
device and receiving data files from an external device, and  
a digital signal processor including the capability of displaying an  
10 initialization state of the communication interface.

11. The digital camera of claim 10, wherein the digital signal processor  
further includes the capability of displaying an electrical connection state between  
the digital camera and an external device.

12. The digital camera of claim 11, wherein the the digital signal  
processor further includes the capability of displaying a transceiving state of data  
files being transmitted to an external device or being received from an external  
device.

13. The digital camera of claim 10, wherein the communication interface  
is a USB interface.

14. A digital camera comprising:  
a means for creating a digital photograph,  
a means for storing digital image data,  
a means for displaying data, and  
a means for displaying a transceiving state of data files being transmitted to  
an external device or being received from an external device.

15. The digital camera of claim 14, further comprising:  
a means for transmitting data files to an external device and receiving data  
files from an external device, and  
a means for displaying an initialization state of the means for transmitting  
35 data files to an external device and receiving data files from an external device.

16. The digital camera of claim 14, further comprising:

a means for displaying an electrical connection state between the digital camera and an external device.

17. A method for monitoring the status of a digital camera, the method comprising:  
displaying an initialization state while initializing a communication interface.

18. The method of claim 17, wherein the step of displaying an initialization state while initializing a communication interface comprises:  
monitoring a connection between the digital camera and an external device, waiting until the connection is complete before proceeding with initialization and display of the initialization state,  
initializing the communication interface and displaying a message indicating the initializing of the communication interface,  
determining whether the initialization is successful, and  
if the initialization succeeds, displaying a message indicating the success of the initialization.

19. The method of claim 18, wherein the step of displaying an initialization state while initializing a communication interface further comprises:  
if the initialization fails, displaying a message indicating the failure of the initialization.

20. The method of claim 18, wherein the step of displaying an initialization state while initializing a communication interface further comprises:  
if the initialization fails, displaying a message offering guidance to remedy the failure.

21. The method of claim 17, further comprising:  
displaying a transceiving state while transmitting or receiving a data file to or from an external device.

22. The method of claim 21, wherein the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device further comprises:  
determining whether a data file is being transmitted or received, and  
displaying a message indicating status of transmission or reception of a data file.

23. The method of claim 22, wherein the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device further comprises:

5       determining whether initialization of the communication interface is successful,

          if initialization of the communication interface is successful, proceeding with the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device, and

10       if initialization of the communication interface is not successful, terminating the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device.

24. The method of claim 22, wherein the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device further comprises:

          determining the type of interface, and

          displaying a message indicating the type of interface.

25. The method of claim 17, further comprising:

          repeating the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device until an end signal is input.

26. The method of claim 17, further comprising:

25       displaying an unloaded state after the digital camera is unloaded from an external device.

27. The method of claim 26, wherein the step of displaying an unloaded state after the digital camera is unloaded from an external device comprises:

30       determining whether an unloaded signal is input to the digital camera, and

          if an unloaded signal is input, displaying a message indicating unloaded state of digital camera.

28. The method of claim 27, wherein the step of displaying an unloaded state after the digital camera is unloaded from an external device comprises:

35       determining if the digital camera is disconnected from the external device,

if the digital camera is not disconnected from the external device, repeating the step of displaying an unloaded state after the digital camera is unloaded from an external device.

5           29.    A method for monitoring the status of a digital camera, the method comprising:

          displaying a transceiving state while transmitting or receiving a data file to or from an external device.

10           30.    The method of claim 29, wherein the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device further comprises:

          determining whether a data file is being transmitted or received, and  
          displaying a message indicating status of transmission or reception of a data

15   file.

          31.    The method of claim 30, wherein the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device further comprises:

20           determining whether initialization of a communication interface is successful,  
          if initialization of the communication interface is successful, proceeding with the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device, and

          if initialization of the communication interface is not successful, terminating  
25   the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device.

          32.    The method of claim 30, wherein the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device further  
30   comprises:

          determining the type of interface, and  
          displaying a message indicating the type of interface.